D-Control™

Addendum

Version 7.4-7.4cs1

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Chapter 1: New Features in Pro Tools HD 7.4

Playlist Switch Commands

D-Control and D-Command now allow you to toggle through available playlists on the focused track from the Soft Keys section.

The Playlist switch in the Management Section of the Soft Keys now has two new commands: *Show Previous Playlist* and *Show Next Playlist*, which toggle the Edit window playlist display of currently selected tracks.

Playlist Switch

The Playlist switch displays the following playlist commands:

- New: New Playlist
- Duplicate: Duplicate Playlist
- Delete Audio: Delete Unused Audio Playlists
- Delete MIDI: Delete Unused MIDI Playlists
- Prev Plylst: Show Previous Playlist
- Next Plylst: Show Next Playlist

To cycle through playlists on a track:

1 Focus the track.

2 In the Management section, press the Playlist switch.

3 In the Soft Keys section, do one of the following:

- Press the Soft Key that corresponds to "Prevs Plylst" to select the previous playlist in that track's Playlist menu.
- Press the Soft Key that corresponds to "Next Plylst" to select the select the next playlist in that track's Playlist menu.

Monitor Output Linking

(D-Control Only)

In the Control Room Monitoring section of D-Control, you can link the Output Level controls so that the Main, Alt, and Mini levels adjust in tandem, allowing you to maintain relative levels when you adjust output gain and switch between speaker systems.

When you link the Output Level controls, all output trim settings are preserved, as well as any offsets between the current Main, Alt, and Mini Output Level control settings.

To link D-Control Output Level controls:

1 Do one of the following:

- Set the Main, Alt and Mini levels independently. Any offsets between these controls will be preserved after they are linked.

– or –

- Turn the Main, Alt and Mini levels all the way down (to -INF). This ensures there will be no offset between these controls after they are linked.

2 Hold the Setup switch in the Monitor Output Mode controls and press the Main Output On/Off switch. The Monitor Section displays show "Output Lk On" to indicate that linking is active.

To unlink D-Control Output Level controls:

▪ Hold the Setup switch in the Monitor Output Mode controls and press the Main Output On/Off switch. The Monitor Section displays show "Output Lk Off."

Chapter 2: New Features in Pro Tools HD 7.4cs1

Pro Tools HD 7.4cs1 includes controller personality file and firmware updates for D-Control™ worksurfaces.

For instructions on installing Pro Tools HD 7.4cs1 and its associated D-Control firmware updates, see "Pro Tools HD 7.4cs1 Read Me.pdf."

These personality and firmware updates include the following new or updated features:

- Changes to the "Auto Write To" Switches
- Changes to the Soft Keys Section
- Dual Transport Mode
- LED Test Mode Color Changes (D-Control ES Only)
- D-Control Multi-Mode (Mac only)

"Auto Write To" Switches

(All D-Control Systems)

New "Auto Write To" Switch Layout

The "Auto Write To" switches now invoke the manual "Write to Start/End/All/Punch/Next" commands and the automatic "Write to Start/End/All/Punch/Next on Stop" automation commands in Pro Tools.

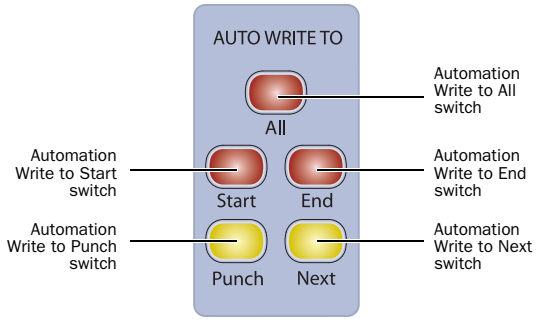
The new switch mapping now includes all of the Manual Write and Write on Stop commands available in the Pro Tools Automation window.

The "Write to Start/End/All/Punch/Next" commands can also be invoked from the Soft Keys section of D-Control.

The "Write/Trim/Glide to Current" and "Write/Trim/Glide to All Enabled" commands remain available from the D-Control Soft Keys.

If you purchased a D-Control unit before October 1, 2007, you will need Lexan overlays to update the two "Auto Write" sections on your Main Unit (which are in the left and right Channel Strip Master sections). For information on obtaining these Lexan overlays, contact Digidesign Customer Service. To find the number of your local Digidesign Customer Service office, visit the Digidesign website at www.digidesign.com.

The switch LED colors shown below apply to D-Control ES only.



"Auto Write To" switches

All Switch

The All switch writes the current automation value of all write-enabled parameters to an entire selection or track when performing an automation pass.

To manually write automation to all of a track or selection:

- Press the All switch during playback.

To write automation to all of a track or selection on stop:

- Hold the Start key (Windows) or the Control key (Mac) and press the All switch.

To set Write to All on Stop to remain enabled after each automation pass:

- Hold the Alt+Start keys (Windows) or the Option+Control keys (Mac) and press the All switch.

To disable automatic Write to All on Stop:

- Press the flashing All switch.

Start Switch

The Start switch writes the current automation value of all write-enabled parameters to the start of a selection or track when performing an automation pass.

To manually write automation to the start of a track or selection:

- Press the Start switch during playback.

To write automation to the start of a track or selection on stop:

- Hold the Start key (Windows) or the Control key (Mac) and press the Start switch.

To set Write to Start on Stop to remain enabled after each automation pass:

- Hold the Alt+Start keys (Windows) or the Option+Control keys (Mac) and press the Start switch.

To disable Write to Start on Stop:

- Press the flashing Start switch.

End Switch

The End switch writes the current automation value of all write-enabled parameters to the end of a selection or track when performing an automation pass.

To manually write automation to the end of a track or selection:

- Press the End switch during playback.

To write automation to the end of a track or selection on stop:

- Hold the Start key (Windows) or the Control key (Mac) and press the End switch.

To set Write to End on Stop to remain enabled after each automation pass:

- Hold the Alt+Start keys (Windows) or the Option+Control keys (Mac) and press the End switch.

To disable automatic Write to End on Stop:

- Press the flashing End switch.

Punch Switch

The Punch switch writes the current automation value of all write-enabled parameters back to the punch point (the location in the track where the current automation pass started).

To manually write automation back to the punch point:

- Press the Punch switch during playback.

To write automation back to the punch point on stop:

- Hold the Start key (Windows) or the Control key (Mac) and press the Punch switch.

To set Write to Punch on Stop to remain enabled after each automation pass:

- Hold the Alt+Start keys (Windows) or the Option+Control keys (Mac) and press the Punch switch.

To disable automatic Write to Punch on Stop:

- Press the flashing Punch switch.

Next Switch

The Next switch writes the current automation value of all write-enabled parameters forward to the next automation breakpoint.

Unlike the other Write To commands, the Write to Next on Stop command always remains enabled after each automation pass, until you disable it.

To manually write automation forward to the next breakpoint:

- Press the Next switch during playback.

To set Write to Next on Stop to remain enabled after each automation pass:

- Hold the Start key (Windows) or the Control key (Mac) and press the Next switch.

To disable automatic Write to Next on Stop:

- Press the flashing Next switch.

Soft Keys Section

(All D-Control Systems)

In the D-Control Soft Keys section, the soft keys invoked by the Actions and Modes switches now have a new layout of pre-existing commands, to correspond with the new arrangement of the "Auto Write To" switches on D-Control.

New Actions Switch Layout

In the Automation Soft Keys section, page 2 of the Actions switch commands now shows the Auto Write To commands in the following order:

Wrt To All (Write to All) Writes current automation values to an entire selection or track while performing an automation pass.

Snap Back Causes all Latch or Write enabled tracks to exit their current automation pass and return instantly to the previously written automation levels. During playback, this command stops writing of automation without applying any AutoMatch ramping.

Wrt To Start (Write To Start) Writes current automation values from the insertion point backward to the beginning of a selection or track while performing an automation pass.

Wrt To End (Write to End) Writes current automation values from the insertion point forward to the end of a selection or track while performing an automation pass.

Wrt To Punch (Write To Punch Point) Writes current automation values back to the point where writing of automation began

Wrt To Next (Write to Next Breakpoint) Writes current automation values from the insertion point forward to the next automation breakpoint while performing an automation pass.

New Modes Switch Layout

In the Automation Soft Keys section, the Modes switch now shows the Auto Write on Stop commands in the following order:

AWrtTo All (Auto Write to All on Stop) Writes current automation values to an entire selection or track when the transport is stopped after an automation pass.

AWrtTo Start (Auto Write to Start on Stop) Automatically writes current automation values from the insertion point backward to the beginning of a selection or track when the transport is stopped after an automation pass.

AWrtTo End (Auto Write to End on Stop) Writes current automation values from the insertion point forward to the end of a selection or track when the transport is stopped after an automation pass.

AWrtTo Punch (Auto Write to Punch Point on Stop) Writes current automation values back to where the current automation pass began.

AWrtTo Next (Auto Write to Next Breakpoint on Stop) Writes current automation values from the insertion point forward to the next automation breakpoint when the transport is stopped after an automation pass.

Dual Transport Mode

(Digidesign MachineControl with a 9-pin or MMC Device)

With Digidesign MachineControl, you can now place D-Control in *Dual Transport mode*, which activates the second set of Transport controls on D-Control (in the section labeled "Machine Transport").

Dual Transport mode assigns the upper set of transport controls to a 9-pin or MMC device using MachineControl.

◆ In Dual Transport mode, you can toggle the transport master between "Transport=Pro Tools" and "Transport = Machine," "Transport=MMC," or "Transport=Remote" directly from the D-Control Transport switches.

◆ In Single Transport mode, you toggle the transport master between "Transport=Pro Tools" and "Transport = Machine," "Transport=MMC," or "Transport=Remote" using the Machine Online switch in the Transport Mode controls.

New D-Control Transport Mode Preference

A new D-Control Console preference lets you switch between Single and Dual Transport modes. In the Console Preferences, page 5 of the Operation preferences now includes the following preference:

Transpt (D-Control Transport Mode) Toggles D-Control transport operation between Dual and Single Transport modes. Dual Transport mode activates the second set of transport controls on D-Control, in the section labeled "Machine Transport." In Single Transport mode, only the transport controls marked "Pro Tools Transport" are active.

To toggle D-Control between Dual Transport mode and Single Transport mode:

1 In the Soft Keys section, press the Operation switch repeatedly to display the page that includes "Transpt."

2 Press the Soft Key that corresponds to "Transpt" to toggle the Transport mode between "Dual" and "Single."

3 Hold Control (Windows) or Command (Mac) and press the Operation switch to exit.

Selecting the Transport Master in Dual Transport Mode

In Dual Transport mode, either set of transport controls can be active. The transport switches light to indicate the current Transport Master:

- If the Pro Tools Transport switches are lit, Transport = Pro Tools.
- If the Machine Transport switches are lit, the Transport Master is one of the following:
  - Transport = Machine
  - Transport=MMC
  - Transport=Remote

To select the Transport Master in Dual Transport mode:

▪ Press the Machine Online switch in the Transport Mode controls.

– or –

▪ Do one of the following:
- When Transport = Pro Tools, press any unlit switch (Rewind, Fast Forward, Stop, Play, or Record) in the Machine Transport section.
- When Transport = Machine, MMC, or Remote, press any unlit switch (Rewind, Fast Forward, Stop, Play, or Record) in the Pro Tools Transport section.

The first press of an unlit transport switch changes the Transport Master and does not send a transport command. The second press sends the transport command.

Selecting the Transport Master in Single Transport Mode

In Single Transport mode, only the Pro Tools Transport controls are active, and control the currently selected Transport Master.

To select the Transport Master in Single Transport mode:

▪ Press the Machine Online switch in the Transport Mode controls.

Cycling through the Transport Master Choices

In both Single and Dual Transport modes, the Machine Online switch is now used to cycle the Transport Master through the available choices (Pro Tools, Machine, MMC, and Remote) from D-Control.

To cycle through available Transport Master choices:

▪ Hold Start (Win) or Control (Mac) and repeatedly press the Machine Online switch in the Transport Mode controls.

LED Test Mode

(D-Control ES Only)

The D-Control Utility mode LED test now activates D-Control switch LEDs according to the new D-Control ES color scheme.

Chapter 3: D-Control Multi-Mode (Mac Only)

Pro Tools HD 7.4cs1 adds the ability to enter *D-Control Multi-mode*, which lets you use a single D-Control console to access up to four Pro Tools|HD systems on a network. Multi-mode lets you quickly switch worksurface control from one Pro Tools system to another by pressing a single switch on the D-Control console.

Multi-Mode Compatibility

D-Control Multi-mode is qualified on a subset of systems qualified for Pro Tools 7.4. For complete details, visit the compatibility pages on the Digidesign website (www.digidesign.com/compatibility).

⚠ *D-Control Multi-mode is not supported on Windows-based Pro Tools systems.*

D-Control Multi-mode can be enabled only on D-Control consoles comprised of Main and Fader units that have current Comm boards.

For information on updating the Comm boards in your D-Control units, contact Digidesign Customer Service. To find the number of your local Digidesign Customer Service office, visit the Digidesign website at www.digidesign.com.

To determine the Comm board version in your D-Control unit:

1 If Pro Tools is running, quit Pro Tools.

2 Turn off the D-Control unit.

3 Turn on the D-Control unit and hold the Select, Solo and Mute switches in the Focus Channel Strip (on a Main Unit) or on the leftmost channel strip (on a Fader Module) during power-up. This restarts the unit in a special "bootloader" mode.

4 After the unit is powered up, put the unit in Utility mode by doing one of the following:

- On a Main Unit, press the Utility switch in the Session Management section.
- On a Fader Module, press and hold the modifier keys in the lower left of the unit in the following sequence: Shift+Alt/Command+Win/Option.

5 Press the Soft Key (Main Unit) or encoder Select switch (Fader Module) that corresponds to "System."

6 Hold the Soft Key (Main Unit) or encoder Select switch (Fader Module) that corresponds to "FW ver."

7 The Comm board firmware version appears in the channel display of the unit.

- If the Comm board firmware version is "b7.2.0.92," the unit has a current Comm board, and supports Multi-mode operation.
- If the Comm board firmware version is "b2.59," the unit does *not* have a current Comm board, and will not support Multi-mode operation.

8 Exit Utility mode and power cycle the D-Control unit to start the unit in normal mode.

Configuring D-Control Multi-Mode

Updating D-Control Firmware

Before you can use D-Control Multi-mode, all D-Control units (the Main Unit and each Fader Module) must have the firmware update included in Pro Tools HD 7.4cs1.

To initiate the firmware update for D-Control included in Pro Tools HD 7.4cs1:

1 Launch Pro Tools HD 7.4cs1.

2 Choose Setup > Peripherals and click Ethernet Controllers.

3 If they are not already declared, declare your D-Control Main Unit and Fader Modules.

4 Click OK in the Peripherals dialog.

5 Follow the on-screen instructions to update your D-Control firmware.

⚠ *If you have a D-Control Surround Panner, you will be prompted to update the firmware for the panner. This firmware update can take about 11 minutes. You may choose to cancel the Surround Panner update until later. The Surround Panner firmware update is not required to use the features in Pro Tools HD 7.4cs1.*

Enabling Multi-Mode on D-Control Units

To enable a D-Control console to be declared on multiple Pro Tools|HD systems, the D-Control Main Unit and Fader Modules must first be placed in Multi-mode.

To toggle a D-Control unit in or out of Multi-mode:

1 If the unit is declared on a system, do one of the following:

- Quit Pro Tools.

– or –

- Undeclare the unit in the Pro Tools Peripherals dialog.

2 Press and hold the Solo switch in the Focus Channel Strip (on a Main Unit) or on the leftmost channel strip (on a Fader Module) for approximately three seconds.

When in Multi-mode, the unit displays "D-Control Multi-Mode" in the Soft Keys (on a Main Unit) or in the Channel Displays (on a Fader Module).

Declaring Multi-Mode Enabled D-Control Units

When a D-Control unit is in Multi-mode, it appears in the Peripherals dialog multiple times, with the numbers "1" through "4" appended to its name. These multiple listings can then be declared on different Pro Tools systems on the network.

To declare D-Control units in Multi-mode:

1 Make sure all Pro Tools systems are running Pro Tools 7.4cs1 or higher.

2 On the first Pro Tools system, choose Setups > Peripherals, and click Ethernet Controllers.

3 In the Ethernet Controllers page, select Enable. Pro Tools scans the Ethernet connection and finds the Multi-mode enabled D-Control units.

4 Declare the Main Unit and Fader Modules that end in the suffix "1," in the order you want the units arranged from left to right.

5 Click OK to close the Peripherals window.

6 On the second Pro Tools system, repeat the above steps, declaring the Main Unit and Fader Modules that appear with the suffix "2," in the same order from left to right as you declared them on the first Pro Tools system.

7 If you have additional Pro Tools systems, declare the D-Control units that appear with "3" and "4" on subsequent systems, in the same order from left to right as above.

As you declare the D-Control units from each Pro Tools system, the Machine Online switches (Mach 1 through Mach 4) in the Online section of the Transport controls flash to indicate that system is available.

⚠ *If a D-Control unit is declared on a Pro Tools system running a version of Pro Tools lower than 7.4cs1, you may encounter prompts from the system to update firmware. To avoid potential conflicts while updating, do not update the firmware on a D-Control unit while it is in Multi-mode.*

Only update D-Control firmware when in normal mode, from a system with a known version of the firmware.

Using D-Control Multi-Mode

When multiple Pro Tools systems are available, you can view their transport synchronization status and instantly switch between them using the Machine Online switches (Mach 1 through Mach 4) in the Online section of the Transport controls.

Pro Tools System Status Indication

When the Pro Tools Transport Master is set to Transport=Machine or Transport=MMC, the Machine Online switches (Mach 1 through Mach 4) show the status of available Pro Tools systems as follows:

Pro Tools system status indications (Transport=Machine or MMC)

Mach switch state	Indication
Off	No Pro Tools system available
Flashing (slow)	Active Pro Tools system on D-Control
Flashing (fast)	Available Pro Tools system, stopped or not locked to time code
On (solid)	Available Pro Tools system, locked to time code

When the Pro Tools Transport Master is set to Transport=Remote, the Machine Online switches (Mach 1 through Mach 4) show only the following states:

Pro Tools system status indications (Transport=Remote)

Mach switch state	Indication
Off	No Pro Tools system available
Flashing (slow)	Active Pro Tools system on D-Control
On (solid)	Available Pro Tools system, online

⚠ *When Transport=Remote, the Pro Tools Online switch and the Transport controls (Rewind, Fast Forward, Stop, Play, and Record) flash, and do not accurately report the Pro Tools transport status.*

Switching Control Between Pro Tools Systems

When a Pro Tools system is indicated as available, you can switch control to that system by pressing the corresponding Machine Online switch (Mach 1 through Mach 4).

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A division of Avid

www.digidesign.com

DIGIDESIGN
2001 Junipero Serra Boulevard
Daly City, CA 94014-3886 USA
Tel: 650.731.6300
Fax: 650.731.6399

TECHNICAL SUPPORT *(USA)*
Tel: 650.731.6100
Fax: 650.731.6375

PRODUCT INFORMATION *(USA)*
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